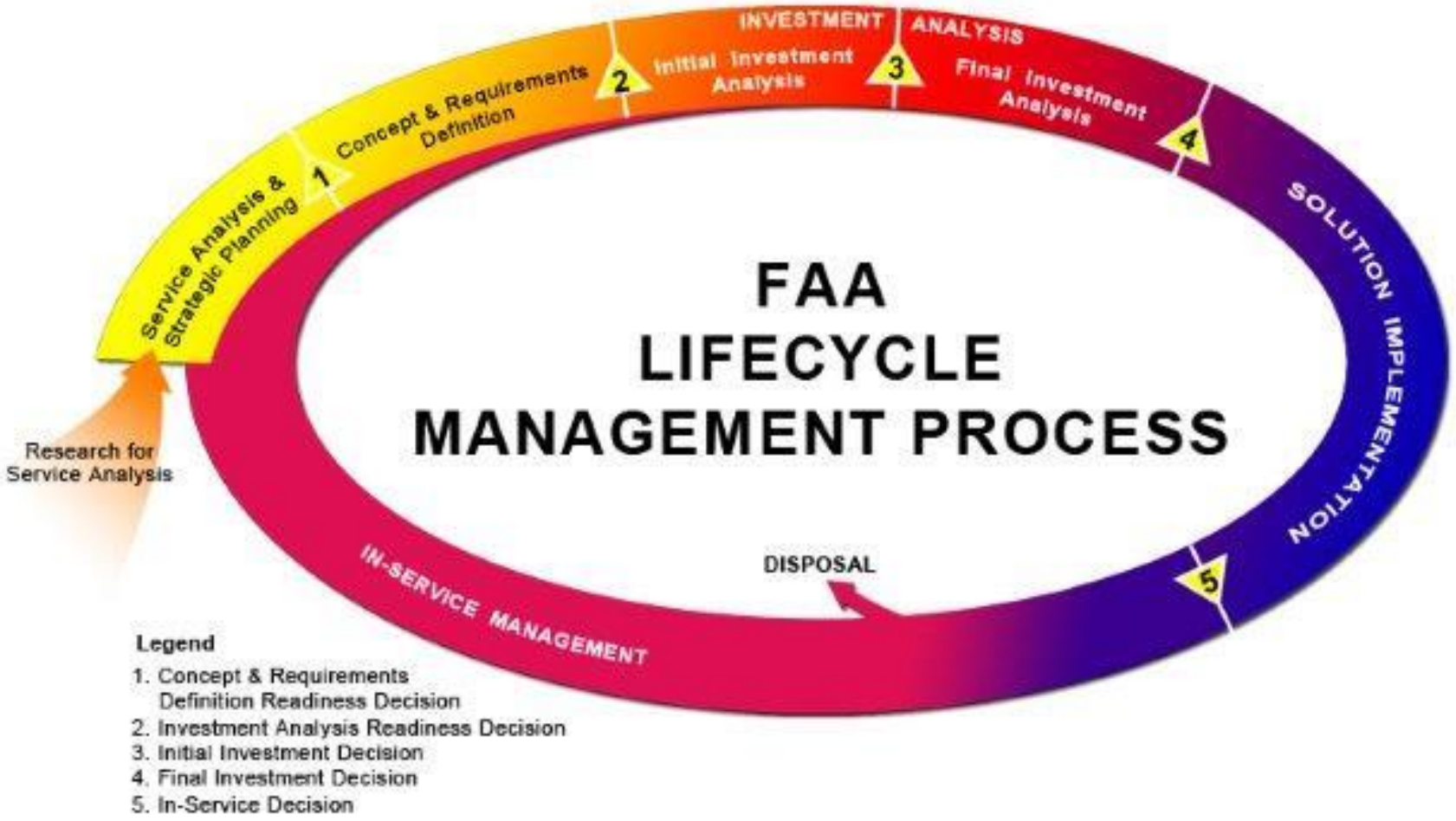
FAA Acquisition Management System

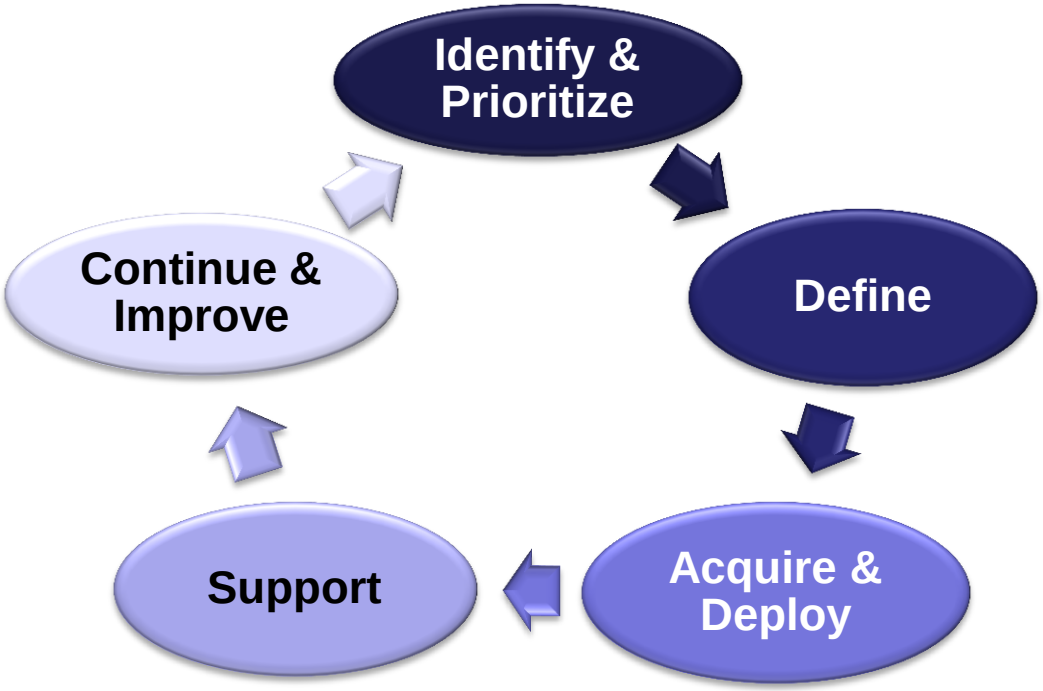
Presented by: David Ingram, Director
Acquisition Policy & Oversight, AAP-1

Federal Aviation Administration

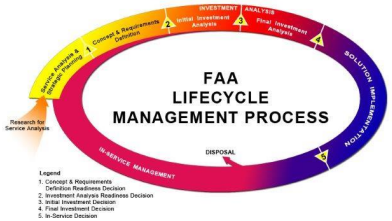

FAA
LIFECYCLE
MANAGEMENT PROCESS
Service Analysis & Strategic Planning
1
Concept & Requirements Definition
2
INVESTMENT ANALYSIS
Initial Investment Analysis
3
Final Investment Analysis
4
SOLUTION IMPLEMENTATION
5
DISPOSAL
IN-SERVICE MANAGEMENT
Research for Service Analysis
Legend
1. Concept & Requirements Definition Readiness Decision
2. Investment Analysis Readiness Decision
3. Initial Investment Decision
4. Final Investment Decision
5. In-Service Decision

Role of AMS

Establishes policy and guidance by which the FAA identifies, defines, acquires, deploys, and manages over their lifecycle the systems, facilities, services, and infrastructure needed to fulfill its mission



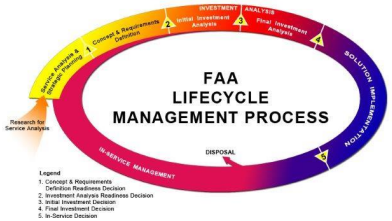
AMS Outcomes



- AMS establishes a strong preference for competition
  - Competitive procurement under AMS is less burdensome and quicker than justifying and awarding a single source
  - Large majority of contracting actions and dollars competitively awarded under AMS
  - AMS has produced similar or better competition results as compared to other large agencies

- The FAA exceeds the OMB Government Medians for:
  - CO certifications
  - Cost-to-Spend ratio
  - One-bid rate
  - Small business goals
  - CPARS compliance

AMS Outcomes



Baseline performance continues to improve

- **Pre-ATO** (1994 – 2004) Overall 38% cost growth & 25% schedule delay.

- **Post-ATO** (2004 – 2014) Overall 3.9% cost growth & 10.1% schedule delay. Programs with scope reductions not included in cost variance above otherwise overall cost growth would be 0.8%.

- *Primary factors for cost and schedule growth – up front requirements definition, cost and schedule estimates, and planning.*

2015 AMS Policy/Guidance Updates

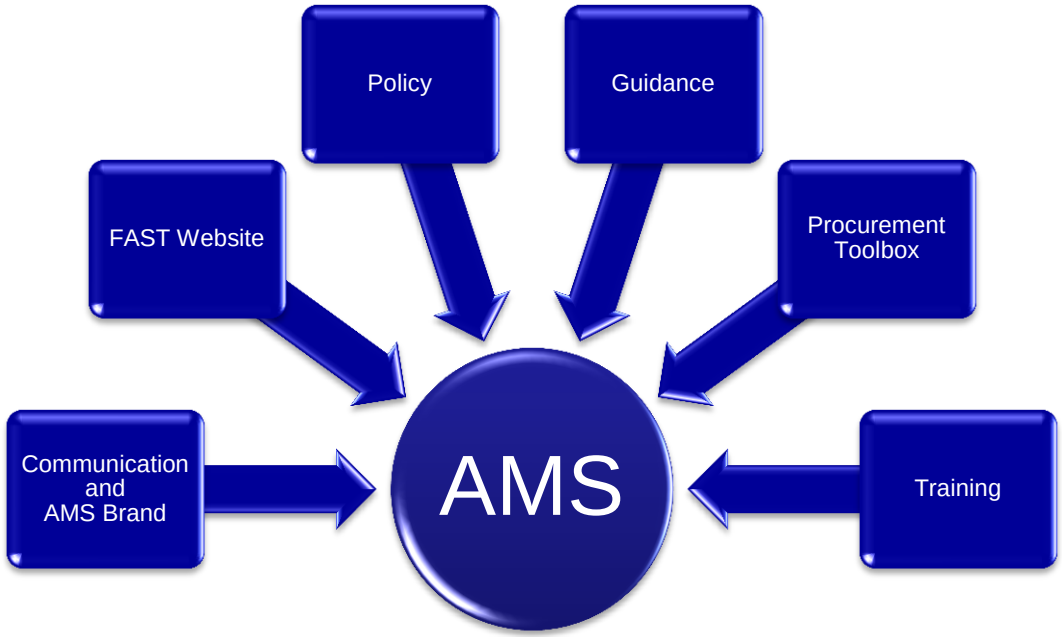
- Reestablished the **TEMP** and added the **PMP** as required AMS documents.

- Reinforced the Program Manager's **certification requirements** in the investment decision process.

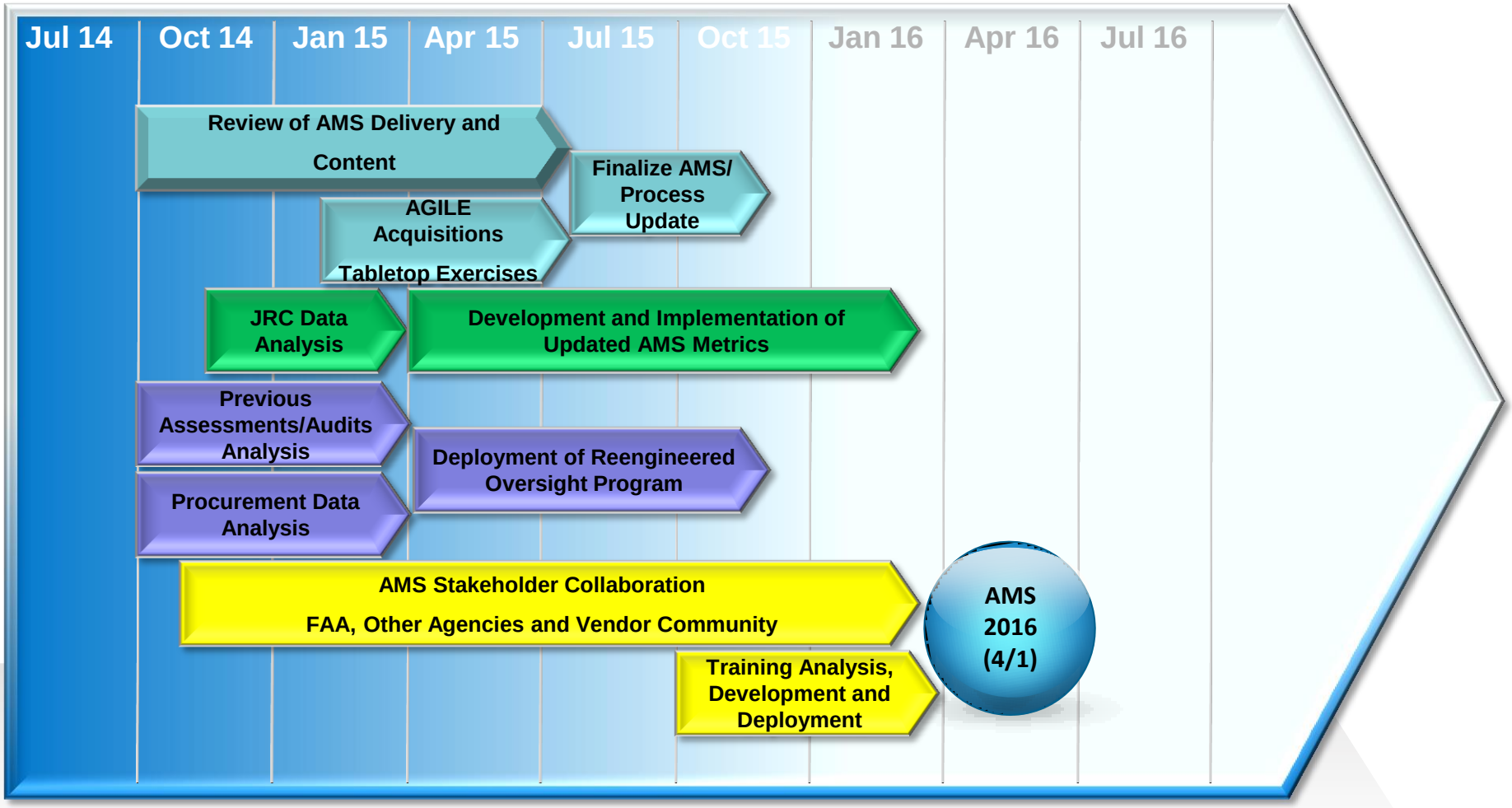
- Updated the **Program Requirements** guidance addressing requirements allocated by the enterprise to another program and added the Requirements Allocation Matrix.

- Revised the **Safety Risk Management Guidance to System Acquisition** to require a Comparative Safety Assessment prior to IID and a Preliminary Hazard Analysis prior to FID.

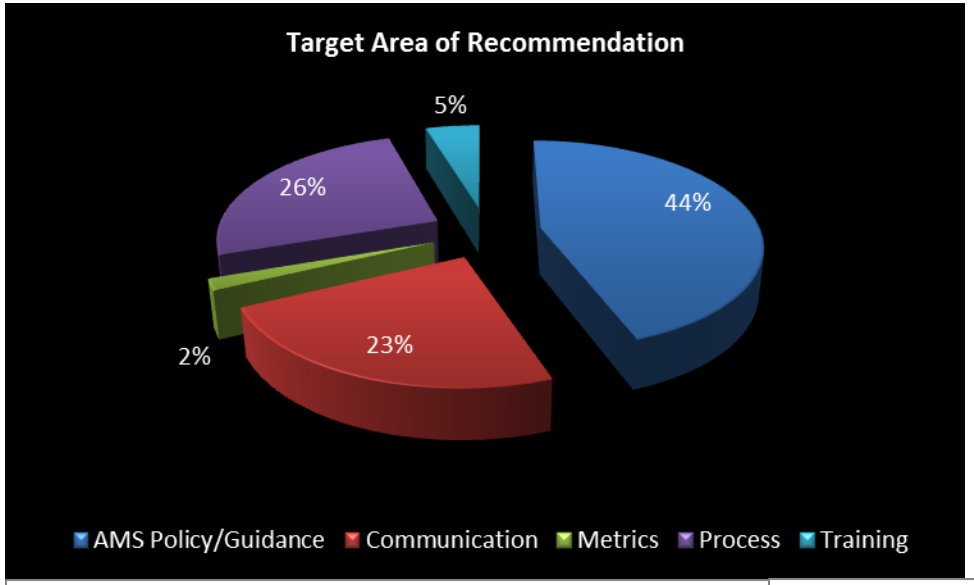
April 1, 2016


Policy
Guidance
FAST Website
Procurement Toolbox
Communication and AMS Brand
AMS
Training

Schedule

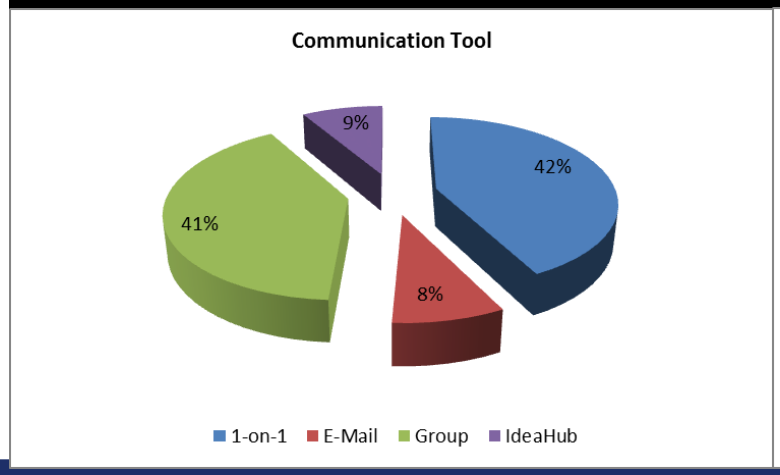

Jul 14
Oct 14
Jan 15
Apr 15
Jul 15
Oct 15
Jan 16
Apr 16
Jul 16
Review of AMS Delivery and Content
Finalize AMS/ Process Update
AGILE Acquisitions Tabletop Exercises
JRC Data Analysis
Development and Implementation of Updated AMS Metrics
Previous Assessments/Audits Analysis
Deployment of Reengineered Oversight Program
Procurement Data Analysis
AMS Stakeholder Collaboration
FAA, Other Agencies and Vendor Community
AMS 2016 (4/1)
Training Analysis, Development and Deployment

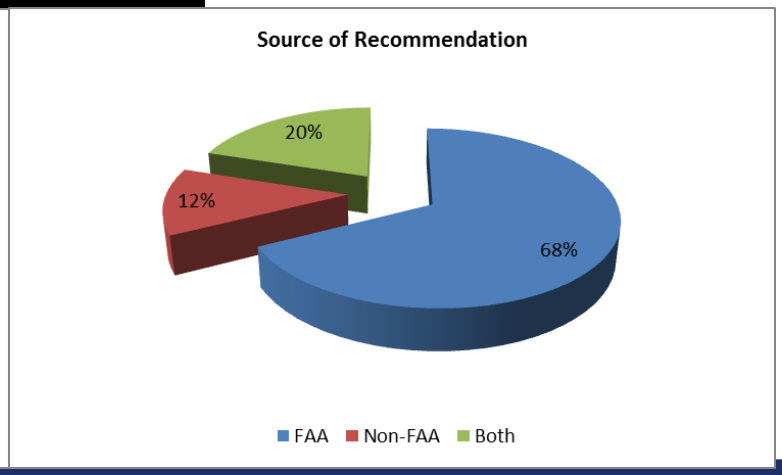
Stakeholder Recommendations



Total Submissions: 514

Associated Recommendations: 118





Agile Acquisitions Project

A Collaborative Effort with MITRE

- Policy, Systems Engineering, ATO and IT Program Management, Finance, and Contracting are participating to assess the application of Agile acquisition principles, guidance, best practices, and methods.
  - Initial focus on Non-NAS IT
  - Potential recommendations for guidance in the April 2016 AMS update.

ACAT Study

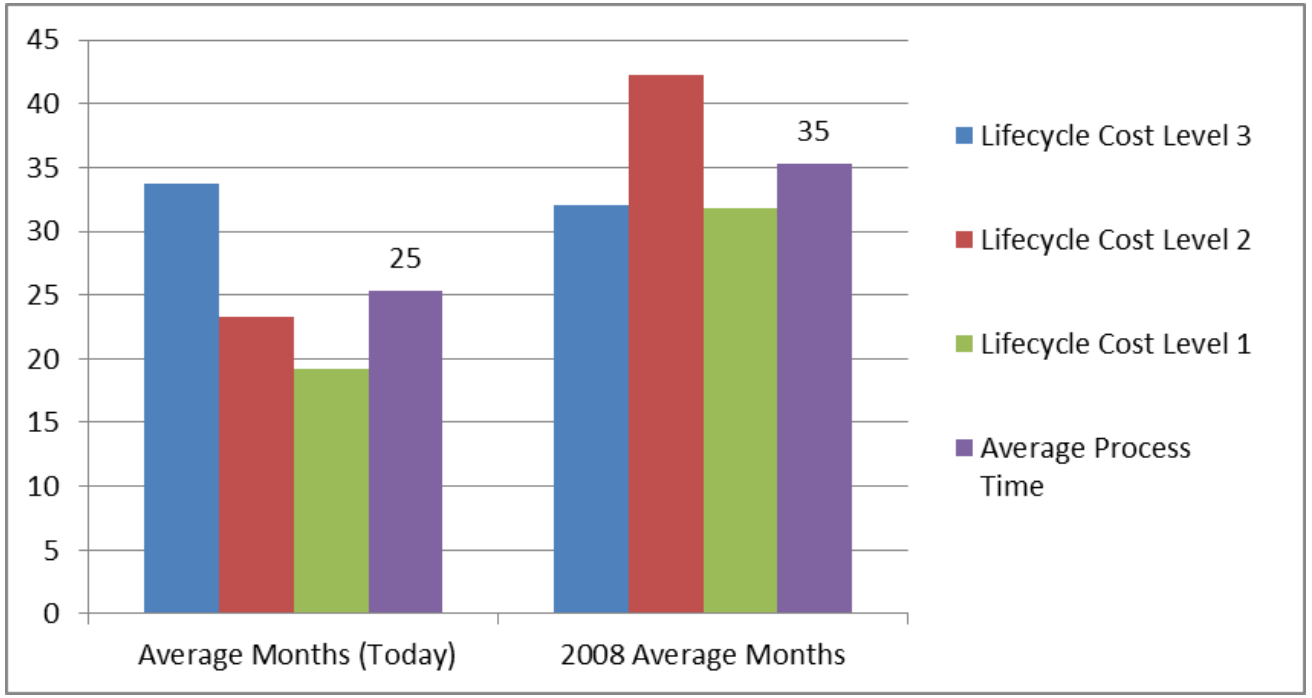
- **Background:** Acquisition Categories (ACATs) were established in 2009 and later supplemented with the introduction of Investment Types in 2012 with the goal of providing the proper governance based on the program's size and complexity.

- **Objective:** Determine the actual durations of programs in the investment decision process from 2009 to 2014 and compare with the findings with earlier studies.

ACAT Study Findings

Average Duration through AMS compared to the 2008 Evaluation of Lifecycle Cost Levels

- 35 months (2008)
- 25 months (Today)



Acquisition Challenges

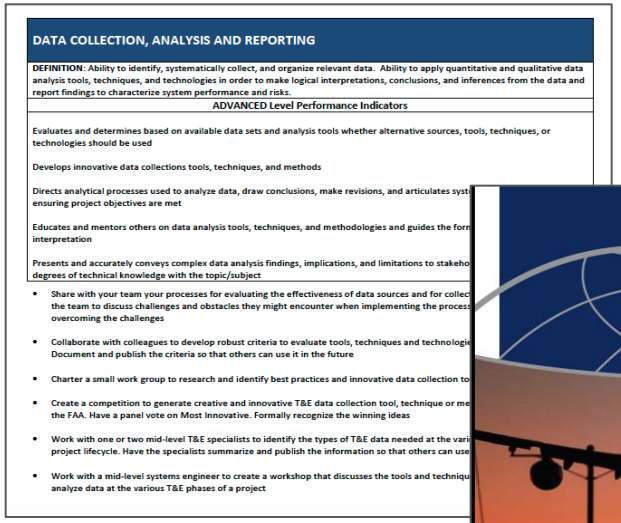
- Greater reductions in average duration through AMS
- Right-sizing business case development
- Fear of oversight (or protests) getting in the way of doing what is right

Acquisition Workforce Development

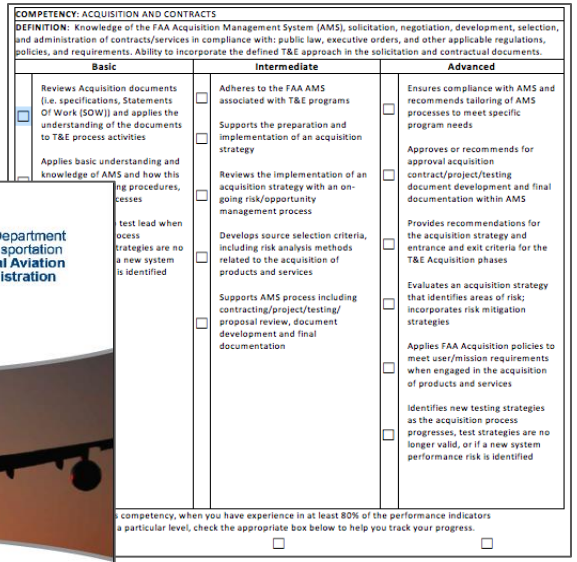
FY15 Acquisition Workforce Development Updates

- T&E certification program
  - No curriculum changes
  - Implemented leadership development at level III
  - New workforce development tools / resources
- Updated community portal (new look – Oct 2016)
- Fielded new T&E course
  - Test and evaluation across the AMS lifecycle

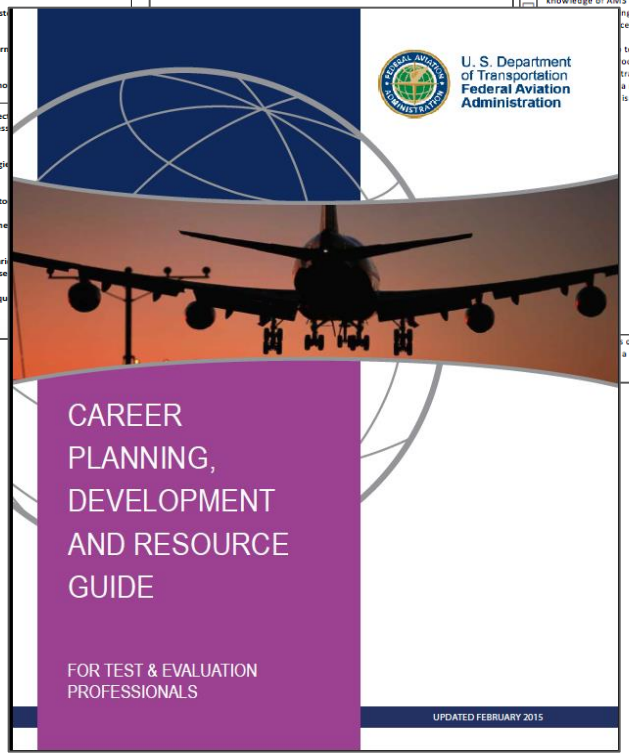
Workforce Development Tools



Development Activity Guide



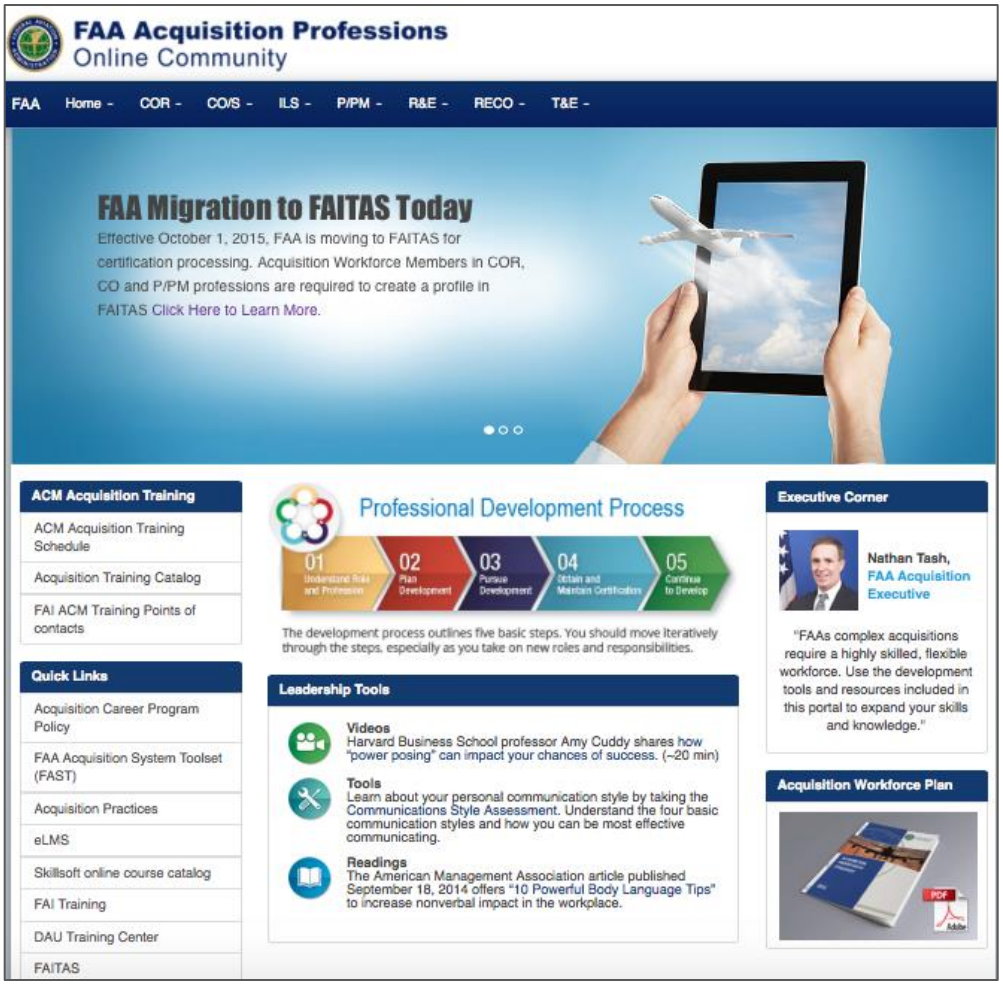
Competency Experience Checklist



Career Guide

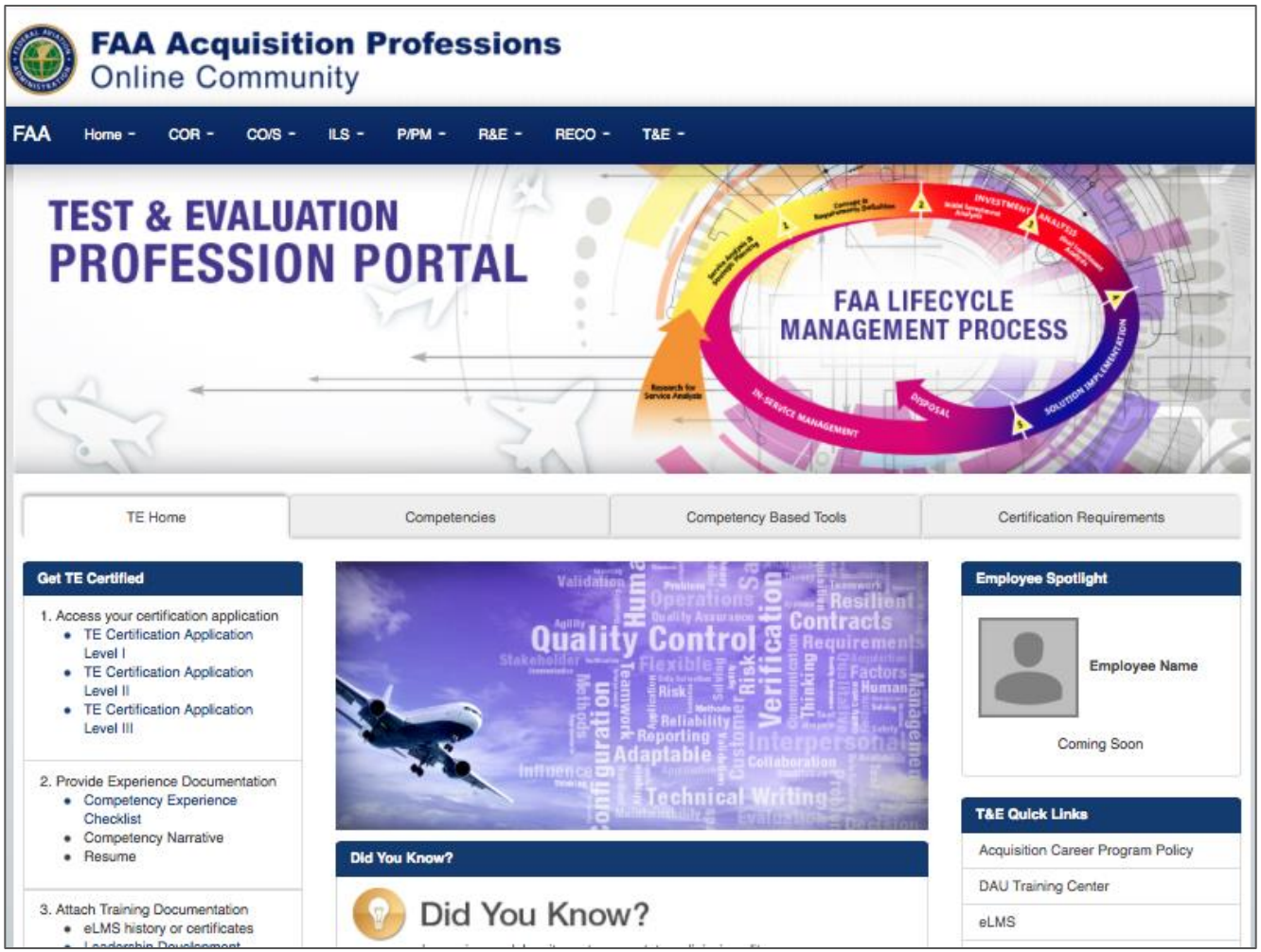
Acquisition Professions Portal

https://ksn2.faa.gov/faa/AcquisitionProfessions/Pages/Default.aspx



T&E Community Portal

https://ksn2.faa.gov/faa/AcquisitionProfessions/Pages/TE_Home.aspx



FY 16 T&E Certification Program Plans

- T&E certification application streamlining
- Community awareness / outreach sessions
- Refresh certification requirements & training courses

Questions?